

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A radio base station apparatus comprising:

a receiving section for receiving a packet via a radio transmission path from a terminal;

a judging section for judging the packet received by the receiving section, whether or not an address designating a transmitting end of the packet is in a predetermined range of addresses ; and

a network interfacing section for routing the packet received by the receiving section when a judgment result of the judging section is true, and forwarding without updating the address of the packet received by the receiving section to another radio base station adjacent to a local station when the judgment result is false, the local station being a radio base station communicating with the terminal.

2. (previously presented) The radio base station apparatus according to claim 1, wherein

said network interfacing section forwards a packet which has arrived from a destination of the received packet, to another radio base station adjacent to the local station.

3. (previously presented) The radio base station apparatus according to claim I, wherein

said network interfacing section forwards the packer via a link when the judgment result is false, the link being formed between the local station and another radio base

station adjacent to the local station.

4. (previously presented) The radio base station apparatus according to claim 2, wherein
said network interfacing section forwards the packet via a link when the judgment
result is false, the link being formed between the local station and another radio base
station adjacent to the local station.

5. (previously presented) The radio base station apparatus according to claim 1, wherein
said network interfacing section forwards the packet via a path when the judgment
result is false, the path being formed between the local station and another radio base
station adjacent to the local station.

6. (previously presented) The radio base station apparatus according to claim 2, wherein
said network interfacing section forwards the packet via a path when the judgment
result is false, the path being formed between the local station and another radio base
station adjacent to the local station.

7. (previously presented) The radio base station apparatus according to claim 3, wherein
said link is formed for a group of radio base stations adjacent to each other.

8. (previously presented) The radio base station apparatus according to claim 4, wherein
said link is formed for a group of radio base stations adjacent to each other.

9. (previously presented) The radio base station apparatus according to claim 1, wherein
said network interfacing section cooperates with a base station controlling station for executing channel control relating to the local station and another radio base station adjacent to the local station, to determine a path to be used for forwarding in a higher layer than a physical layer of a packet which has arrived from a destination of the received packet, to another radio base station adjacent to the local station.

10. (previously presented) The radio base station apparatus according to claim 2, wherein
said network interfacing section cooperates with a base station controlling station for executing channel control relating to the local station and another radio base station adjacent to the local station, to determine a path to be used for forwarding a packet which has arrived from a destination of the received packet, to another radio base station adjacent to the local station.

11. (previously presented) The radio base station apparatus according to claim 5, wherein
said network interfacing section cooperates with a base station controlling station for executing channel control relating to the local station and another radio base station adjacent to the local station, to determine a path to be used for forwarding a packet which has arrived from a destination of the received packet, to another radio base station adjacent to the local station.

12. (previously presented) The radio base station apparatus according to claim 6, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to the local station and another radio base station adjacent to the local station, to determine a path to be used for forwarding a packet which has arrived from a destination of another received packet, to the radio base station adjacent to the local station.

13. (previously presented) The radio base station apparatus according to claim 1, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to the local station and another radio base station adjacent to the local station, to determine a physical layer link to be used for forwarding a packet which has arrived from a destination of the received packet, to another radio base station adjacent to the local station.

14. (previously presented) The radio base station apparatus according to claim 1, further comprising

a monitoring section for gleaning transmission performance of a packet that arrives at another radio base station adjacent to the local station from a destination of the received packet, wherein

said network interfacing section forwards the arriving packet only to a radio base station at which the transmission performance gleaned by said monitoring section exceeds a predetermined threshold value.

15. (previously presented) The radio base station apparatus according to claim 1, further comprising:

a visiting base station determining section for determining a specific radio base station which is the one receiving a packet latest and/or receiving a packet at a highest level; and

a downstream packet transmitting section for judging whether or not the specific radio base station is the local station, and transmitting a packet transmitted from a destination of the received packet to the radio transmission path when the judgment result is true, and to the specific radio base station when the judgment result is false.

16. (previously presented) The radio base station apparatus according to claim 1, further comprising:

a downstream packet distributing section for distributing a packet transmitted from a destination of the received packet to another radio base station adjacent to the local station ; and

a downstream packet transmitting section for comparing the local station to another radio base station adjacent to the local station to judge whether or not the local station receives a packet latest at its receiving section and/or receives a packet at a highest level, and transmitting the packet transmitted from the destination of the received packet to the radio transmission path only when the judgment result is true.

17.-19. (canceled)